

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A method of reproducing still picture data and audio data from a recording medium, comprising:

decoding the still picture data in a first stream file and the audio data in a second stream file reproduced from the recording medium based on respective, independent system times (STCs), the first stream file not including audio data;

outputting the decoded still picture data based on the respective still picture STC and presentation time stamps (PTSs) in the still picture data; and

outputting the decoded audio data based on the respective audio STC and PTSs in the audio data;

wherein the outputting of the decoded audio data is not synchronized with the outputting of the decoded still picture data.

2. (Original) The method of claim 1, further comprising:

generating a first STC for the still picture data based on the still picture data reproduced from the recording medium; and

generating a second STC for the audio data based on the audio data reproduced from the recording medium.

3. (Original) The method of claim 2, wherein

the generating the first STC step generates the first STC from program clock references (PCRs) in the still picture data; and

the generating the second STC step generates the second STC from PCRs in the audio data.

4. (Previously Cancelled)

5. (Previously Cancelled)

6. (Currently Amended) The method of claim 1, further comprising:

reproducing ~~transport streams~~ the first stream file of the still picture and the second stream file of the audio data;

demultiplexing the ~~transport~~ first stream[[s]] file into the still picture data and the second stream file into the audio data to obtain first program clock references (PCRs) from the still picture data and second PCRs from the audio data;

generating first and second STCs from the first and second PCRs, respectively; and wherein

the decoding step includes,

decoding the demultiplexed still picture data based on the first STC[[s]],

and

decoding the demultiplexed audio data based on the second STC[[s]].

7. (Previously Presented) The method of claim 6, wherein

the demultiplexing step further obtains the PTSs in the still picture data and the PTSs in the audio data.

8. (Currently Amended) The method of claim 1, further comprising:

reproducing at least one playlist file from the recording medium, the at least one playlist file including at least one playitem and at least one sub-playitem, the at least one playitem providing navigation information for reproducing at least the still picture data from indicating an in-point and out-point of the [[a]] first stream file for reproducing the still picture data, the at least one sub-playitem providing navigation information for reproducing the audio data from indicating an in-point and out-point of the [[a]] second stream file for reproducing the audio data;

~~reproducing the still picture data from the first file based on the navigation information in the playitem; and~~

~~reproducing the audio data from the second file based on the navigation information in the sub-playitem.~~

9. – 23. (Currently Cancelled)

24. (Currently Amended) A method of reproducing still picture data and audio data from a recording medium, comprising:

generating a first STC for the still picture data based on the still picture data ~~reproduced from the recording medium~~;

generating a second STC for the audio data based on the audio data ~~reproduced from the recording medium;~~

decoding the still picture data reproduced from a first stream file in the recording medium based on the first STC, the first stream file not including audio data;

decoding the audio data reproduced from a second stream file in the recording medium based on the second STC;

outputting the decoded still picture data based on the first STC and presentation time stamps (PTSs) in the still picture data; and

outputting the decoded audio data based on the second STC and the PTSs in the audio data.

25. (Currently Amended) An apparatus for reproducing still picture data and audio data from a recording medium, comprising:

a decoder unit configured to decode ~~decoding~~ the still picture data in a first stream file based on a first system time (STC[[s]]), configured to output ~~outputting~~ the decoded still picture data based on the first STC and presentation time stamps (PTSs) in the still picture data, the first stream file not including audio data,[[:]] and a ~~decoder~~ configured to decode ~~decoding~~ the audio data in a second stream file based on a second STC, independent of the first STC, and configured to output ~~outputting~~ the decoded audio data based on the second STC and the PTSs in the audio data,

wherein the output of the decoded audio data is not synchronized with the output of the decoded still picture data.

26. (Currently Cancelled)

27. (Previously Presented) The method of claim 24, wherein the outputting the decoded audio data is not synchronized with the outputting the decoded still picture data.

28. (Previously Presented) The apparatus of claim 25, wherein the decoder decoding the audio data outputs the decoded audio data such that the decoded audio data is not synchronized with the outputting of the decoded still picture data.

29. (New) The apparatus of claim 25, further comprising:

a first STC generator configured to generate a first STC for the still picture data based on the still picture data reproduced from the recording medium; and

a second STC generator configured to generate a second STC for the audio data based on the audio data reproduced from the recording medium.

30. (New) The apparatus of claim 29, wherein the first STC generator is configured to generate the first STC from program clock references (PCRs) in the still picture data; and

the second STC generator is configured to generate the second STC from PCRs in the audio data.

31. (New) The apparatus of claim 25, wherein the decoder unit includes,
a first decoder and a second decoder,
wherein,

the first decoder is configured to decode the still picture data in the first stream file based on the first system time (STC), and to output the decoded still picture data based on the first STC and presentation time stamps (PTSs) in the still picture data, and

the second decoder is configured to decode the audio data in the second stream file based on the second STC, independent of the first STC, independent of the first STC, and to output the decoded audio data based on the second STC and PTSs in the audio data.

32. (New) The apparatus of claim 31, wherein,

the demultiplexer is configured to obtain the PTSs in the still picture data and the PTSs in the audio data, and configured to obtain first program clock references (PCRs) from the still picture data and second PCRs from the audio data.

33. (New) The apparatus of claim 25, further comprising:

a pick up configured to reproduce data on the recording medium;

a controller configured to control the pick up to reproduce at least one playlist file from the recording medium, the at least one playlist file including at least one playitem and at least one sub-playitem, the at least one playitem indicating an in-point and out-point of the first stream file for reproducing the still picture data, the at least one sub-playitem indicating an in-point and out-point of the second stream file for reproducing the audio data.

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END OF CLAIM LISTING